M. A. R. 57 (Rule 116) **No. E**

Measurement Book

Serial No. 3rd and final Bill. 542738

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.. Damodar Manjunath, Malleshwaram Bangalore -03.

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	Name of work :- Comprehensive development of Roads and Drains in ward no 16 Rajagopalnagar Assembly Constituency under Package 2019-20-RRN-Div (01)					
	AS No :- EE-RRN-AS-114-2020-21 Dt :- 08/07/2020					
	TS No :- CE-RRN-TS-233-2019-20 Dt :- 24/01/2019					
	W/O No :- EE-RRND-W/No 000053-2021 Dt :- 13/7/2020					
	Est Cost :- 1100 Lakhs.					

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	Schedule-B	
1	2	3	4	5	6	7	8
						Qty.	Rate, Rs
①	Removing & Refilling stone Metal of Drains. and pointing in CM [1:3]. [Rm]					~~1053.52~~ 1876.37	117.00.
②	Excavation for road, drains and trenches with. Earthwork. Excavation by Manual Means in [Cum]					8765.20	248.00
③	Plain Cement Conc 1:3:6 Mix with Crushed Stone Agg 40 mm nominal size. [Cum]					268.44	4704.00

M. A. R. 57 (Rule 116)
Measurement Book

No. E 542739

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Total up-to Date.

Date	Full description, etc, of work	Dimensions Previous Measurement						Contents	Reference to last Measurement
		Qty	Unit Rate	Number	Length	Breadth	Depth	Qty	Cost
1	Previous Measurement.								
		~~1053.52~~ 1876.37	~~1293215~~ 1389535.00	0.00	117.00	0.00		~~1876.37~~ 1053.52	~~1389535.00~~ 1293215
		~~8039.87~~ ~~8248.80~~ ~~208.93~~	1993888 ~~2045703.00~~	0.00	248.00	0.00		8039.87 8248.80	1993888 2045703.00
		203.90	959146 ~~959122.00~~	64.55	4704.00	303596 ~~303642.00~~		268.44	1262742 ~~1262764.00~~

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(d).	providing and laying plain/reinforced cement Conc for side drains using M20 nominal mix [Cum]					803.66	7424.00
(e).	providing T.M.T steel reinforcement for Rcc work including straightening, cutting. [ton]					50.29	75942.00
	ABOVE 125% [ton]					54.24	78771.59
(f)	Providing and constructing granite/trap/laterite Masonary in foundation with Cement [ton] [cu.m.]					82.80	5112.00

M. A. R. 57 (Rule 116)
Measurement Book

No. E 542740

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement
			Number	Length	Breadth	Depth		
1	2		3	4	5	6	7	8
	642.09	4768361 / ~~4768357.00~~	161.37	7424.00	1198911 / ~~1198[illegible]4.00~~		803.66	~~5966407.00~~ 5966372
	40.23	3055147 / ~~3055235.00~~	10.06	75942	763976 / ~~763809.00~~		50.29	3819123 / ~~3819047.00~~
	0.00	0.00	54.24	78771.59	4272571 / ~~4272202.00~~		54.24	4272571 / ~~4272202.00~~
	82.80	423294.00	0.00	5112.00	0.00		82.80	423274.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(4).	providing and Constructing precast Concrete solid blocks with compressive strength [~~ton~~] Cum.					6257.99	1015.00
(5).	Providing ruled pointing to brickwork Masonary with cement Mortar 1:2 one coat. [~~sq.m~~] [~~ton~~]					12300.00	158.00
(6)	Providing and Laying in position plain Cement Conc Mix 1:2:4 with OPC @ 20mm [~~ton~~] Cum					476.50	5880.00

M. A. R. 57 (Rule 116)
Measurement Book

No. E 512741

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement
			Number	Length	Breadth	Depth		
1	2		3	4	5	6	7	8
	6041.65 ~~6257.99~~	6132275 ~~6351147~~.00	0.00	1015.00	0.00		6257.99 6041.65	~~6351147~~.00 6132275
	11709.44 ~~12300.00~~	1850091 ~~1943431~~.00	0.00	158.00	0.00		11709.44 ~~12300.00~~	1850091 ~~1943431~~.00
	460.33 ~~476.50~~	2706740 ~~2801823~~.00	0.00	5880.00	0.00		460.33 ~~476.50~~	2706740 ~~2801823~~.00

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MEASUREMENT BOOK

Date	Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1						
(10).	providing and Laying in position plain Cement conc mix 1:2:4 upto @ 4m High [Cum]					146.21	6035.00
(11).	Providing and Laying precast drain cover slab of 100mm thickness in CM; 1:3 [Sqm]					5053.31	2454.00
(12)	Providing & Laying RCC precast cover slab of 250 mm Thick for drains in Cement M-20 [Cum]					196.25	5685.00
	ABOVE Brought Forward [Cum]					496.40	6027.36

Executive Engineer
Rajarajeshwari Nagara Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 064.

M. A. R. 57 (Rule 116)
Measurement Book

No. E 542742

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc., of work		Dimensions				Contents	Reference to last Measurement
			Number	Length	Breadth	Depth		
1	2		3	4	5	6	7	8
	146.21	882377 ~~8828570~~.00	0.00	6035.00		0.00	146.21	882377 ~~8823570~~.00
	5053.31	12400823 ~~12400810~~.00	0.00	2454.00		0.00	5053.31	12400823 ~~12400810~~.00
	154.50	878333.00	41.75	5685.00	237	343.00	196.25	1115682.00
	0.00	0.00	496.40	6027.36	2979927	~~2979950~~.00	496.40	2979927 ~~2979950~~.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(13).	Removing and Resetting of Kurb stones, complete as per the direction of Engineer Incharge. [Rmt]					9787.18	110.00
(14).	providing and fixing pre-cast moled lone Kurb stones of size 450×150×500 [Nos]					10922.00	491.00
(15)	Construction of Embankment with App Material Gravel/Murram with all lifts and leads. [Cum]					95.94	361.00

M. A. R. 57 (Rule 116)
Measurement Book

No. E 542713

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	9473.61 ~~9787.18~~	1042317 ~~1076590.00~~	0.00	110.00	0.00	~~9787.18~~ 9473.61	~~1076590.00~~ 1042317
	11900 ~~10922.00~~	5842300 ~~5362200.00~~	0.00	491.00	0.00	11900 ~~10922.00~~	5842300 ~~5362200.00~~
	95.94	34634.00	0.00	361.00	0.00	95.94	34634.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(16).	providing and laying heavy duty cobble stone 75mm thick interlock pavers, using Granite and Coarse Sand. [Sq M]					319.80	1235.00
(17).	Excavation for roadwork in soil with hyd - mallic excavator of 0.90 Cum bucket. [Sq M]					3559.55	89.00
(18)	Construction of granular Sub-base Grading -V as Sub base and drainage layer by [Sq M]					2378.37	2085.00

M. A. R. 57 (Rule 116)
Measurement Book

No. E 542744

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement
			Number	Length	Breadth	Depth		
1	2		3	4	5	6	7	8
	319.80	394953.00	0.00	1235.00	0.00		319.80	394953.00
	3559.55	316800.00	0.00	89.00	0.00		3559.55	316800.00
	2378.37	4958901 ~~4958894~~.00	0.00	2085.00	0.00		2378.37	4958901 ~~4958894~~.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(19).	providing laying, Spreading and tompatting Grated stone Agg of granite / Trap / Basalt [Sq/M]					2728.99	2101.00
(20)	Providing and Applying primer coat with S.S Bitumen Emulsion on prepared surface. [Sq/M]					11865.18	31.00
(21).	Cleaning the finishing black topped surface with brooms, soft brushes and finally. [Sq/M]					33955.92	6.00

M. A. R. 57 (Rule 116) No. E

Measurement Book

542745

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement
			Number	Length	Breadth	Depth		
1	2		3	4	5	6	7	8
	2728.99	5733608 ~~5733611.00~~	0.00	2101.00		0.00	2728.99	5733608 ~~5733611.00~~
	11865.18	367821.00	0.00	31.00		0.00	11865.18	367821.00
	33955.92	203736.00	0.00	6.00		0.00	33955.92	203736.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(22).	providing and Applying tack coat using 80/100 grade bitumen (VG10) on the prep. [Sq/M]					8943.51	13.00
(24).	providing and laying bituminous Cone using Crushed Agg of specified grading. [Sq/M]					1876.04	8305.00
(23).	providing and Laying Dense graded bituminous macadam using Crushed Agg of Specified grading [Sq/M]					2345.06	7200.00

M. A. R. 57 (Rule 116) No. E 542746
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement
			Number	Length	Breadth	Depth		
1	2		3	4	5	6	7	8
	8943.51	1168376.00	0.00	13.00	0.00		8943.51	1168376.00
	1876.04	15580545.00	0.00	8305.00	0.00		1876.04	15580545.00
	2345.06	~~16884396.00~~ 16884432	0.00	7200.00	0.00		2345.06	~~16884396.00~~ 16884432

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
EPIL①	Dismantling of building structure like culverts bridges, retaining walls, and other structures [Cu.M]					107.23	643.03.
EPIL②	Dismantling of building structure like culverts. bridges, retaining walls & other structures. [Cu.M]					110.66	605.21

M. A. R. 57 (Rule 116) No. E

Measurement Book

Serial No. .....

542747

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement
			Number	Length	Breadth	Depth		
1	2		3	4	5	6	7	8
	0.00	0.00	107.23	643.03	68952.00		107.23	68952.00
	0.00	0.00	110.66	605.21	64839.00		110.66	64839.00

21/06/2021

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Total Amount			9861222	99735882
			GST 12%			98,68,78,200	9,98,44,967.52
			Grand Total			11825468	11981396.04
						11053048.68	11826363.04

Certificate

① The above work has been completed satisfactorily

② The Subcrib has been removed & deported from the work Spot

③ No. Departmental Issues are made to the Contractor.

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Book-7

DULICE STATION

M. A. R. 57 (Rule 116)

Measurement Book

No. E

Serial No. .....

Name of work ..... From ..... To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	HMT @ TRS						

Culvert

ಯಶವಂತಪುರ ಕಂದಾಯ ವಿಭಾಗ

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BLOCK-8

MEASUREMENT BOOK

BLOCK 10

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	BEL Area Bazinbacli Nagar SHARADAMBA LAYOUT						

24/10/2022

M. A. R. 57 (Rule 116)
Measurement Book

No. E

542749

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Deductions			₹ -	997.35.882 -
						DP ⟨-⟩	898.66.660 -
							98.69.222 -
					Deduct GST paid	⟨-⟩	40.74.040 -
							57.95.182 -
						⟨-⟩	4.24.590 -
						Bycheque -	53.70.592
	Audited and abstracted ... 57.95.182 - Passed by Cheque for Rs. 53.70.592 - (Fifty three lakh seventy thousand five hundred and ninety two only) by adjustment 4.24.590 -		IT - 115904 - Cost - 57952 - Sost - 57952 - Royalty - 129035 - CBF - 5795 Luc - 57952 -				

Accounts Superintendent
Jagadishwari Nagar ..., BBMP

Exe. Engineer

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